

SEQUENCE LISTING

<110> CZECH, Michael P.
ZHOU, Qionglin
JIANG, Zhen

<120> METHOD OF INTRODUCING siRNA INTO
ADIPOCYTES

<130> UMY-055

<150> 60/432427
<151> 2002-12-11

<160> 141

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 1
ggaggagcuu gacuuccagn n

21

<210> 2
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 2
cuggaaguca agcuccuccn n

21

<210> 3
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 3
cagucgcguu ugcgacuggn n 21

<210> 4
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 4
ccagucgcaa acgcgacugn n 21

<210> 5
<211> 21
<212> RNA
<213> Mus musculus

<400> 5
aacgauggca ccuuuuauugg c 21

<210> 6
<211> 21
<212> RNA
<213> Mus musculus

<400> 6
aaccaggacc acgagaagcu g 21

<210> 7
<211> 21
<212> RNA
<213> Mus musculus

<400> 7
aaacuccucg gcaagggcac c 21

<210> 8
<211> 21
<212> RNA
<213> Mus musculus

<400> 8
aaccaggacc acgagcgccu c 21

<210> 9
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21

<223> n = Deoxythymidine
<400> 9
gccaauaaag gugccaucgn n 21

<210> 10
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 10
cagcuucucg ugguccuggn n 21

<210> 11
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 11
ggugcccuug ccgaggagun n 21

<210> 12
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 12
gaggcgucg ugguccuggn n 21

<210> 13
<211> 19
<212> RNA
<213> Mus musculus

<400> 13
cagucgcguu ugcgacugg 19

<210> 14
<211> 23

<212> RNA
<213> Mus musculus

<400> 14
aaggcguugu acagccggac auu 23

<210> 15
<211> 23
<212> RNA
<213> Mus musculus

<400> 15
aagcuuccag acagggaucc aug 23

<210> 16
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 16
ccagucgcaa acgcgacugn n 21

<210> 17
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 17
uguccggcug uacaacgccc n 21

<210> 18
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> siRNA

<221> misc_feature
<222> 20, 21
<223> n = Deoxythymidine

<400> 18
uggaucccgug ucuggaagcn n 21

<210> 19

<211> 2354

<212> DNA

<213> Mus musculus

<400> 19

ccacgcctgc caggagcgag cttcgccggc tcgctgtccc cctgagcagc ctctgtcctt 60
ctgtccaagt cccgcgcctt tctcgggacc cctgcccagc gggcagcact gtcaccctgc 120
cgcccatgga gaccccgta cagcggcgcg ccaccccgag tggggcgccag gccagctcta 180
ccccactgtc gcccactcgatc acccccgcc tgcaggagaa ggaggacctg caggagctca 240
atgaccgcctt ggcgtgtac atcgatcgcg tgcgttccctt ggagaccgag aacgcggggc 300
tgcgccttcg catcaactgag tctgaagagg tggtcagccg agaggtgtcc ggcataagg 360
cgccctacga ggccgagctg ggggatgccc gcaagaccct tgattctgtg gccaaggagc 420
gcgcccgcctt ccagctagag ctgagcaaa tgcgtgagga gttcaaggag ctgaaggctc 480
gcaacaccaa gaaggagggg gacttgggg ctgcgcaggc ccggctcaag gacctcgagg 540
ctcttctcaa ctccaaggaa gctgcccgtg gcactgctct cagtgagaag cgacattgg 600
agggcgagct ccatgacctg cggggggcagg tagccaagct tgaggccggc ctggagagg 660
ctaagaagca gcttcaggat gagatgctga ggcgagtgaa tgctgagaac aggctacaga 720
cgctgaaggg ggagcttgac ttccagaaga acatttacag cgaggaactg cgtgagacca 780
agcgccggca tgagacgcgg cttgtggaga tcgataacgg gaagcagcga gagttgaga 840
gcggcgctggc agatgcccgtg caggagctgc gggctcagca tgaggaccag gtggAACAGT 900
ataagaagga gctagaaaag acatactccg ccaagctggta taatgcagg cagtctgctg 960
agaggaacag caacctcggtt ggggctggcc atgaggaact gcagcagtct cgaatccgca 1020
ttgacagcctt ctcggccctt ctcagccagc tccaaaagca gttggcagcc aaggaggcaa 1080
agctgcgtga cctggaggac tgcgtggccc gtgagcgcga taccagccgg cgcctgctgg 1140
ctgagaaaaga gcgagagatg gcgagatgc gggcgaggat gcagcagcag ctggacgagt 1200
accaggagct gctggacatc aagctggccc tggacatggta gatccatgcc tatcgaaagc 1260
tgctggaggcgaggatc gggctgcgc tgcgtggccc tggacatggta gatccatgcc tatcgaaagc 1320
gtggccgcgc ctcctccac tcatcccaactt ctcagggtgg aggccagcgtc accaaaaagc 1380
gcaagctggta gtcttcccgag agccggagca gcttctcgca gcatgctcgc actagcgggc 1440
gtgtggcggtt agaggaagtc gatgaagagg gaaagttcgtt gcccggccgc aacaagtcca 1500
acgaggacca gtccatgggc aactggcaga tcaggcgtca gaatggtgac gatccttga 1560
tgacctatcg cttccaccatc aagttcaccc taaaggctgg caggtgggt acgatctgg 1620
cttcaggagc tggggccaccatc catagcccccttactgactt ggtgtggaa ggcggccggc 1680
cctggggctgttggggccgc cttcgccaccatc ctctcatcaa ctccactggta gaagaagtgg 1740
ccatgcgcacatc gctggcgcgc tcactgacca tgggtgagga caatggat gacgacgagg 1800
atggagaaga gctccctccat caccaccgtt gttccactg cagcgctcg ggggaccccg 1860
ctgagttacaa cctgcgtca cgcaccgttc tgcgtggggac gttggggcag cctgctgaca 1920
agctgcccggc tggagcgggaa gcccagggtt gcgatccat tccctctggc tcttctgct 1980
ccagtgtcac agtcactcgatc agttccgcgtt gttgggggg cagtgggggcgttgc 2040
gggacaaacctt agtcacccgcgtt ctcctacccatc tggcaactc cagtcggccggc agccagagct 2100
cccaagaactt cagcatcatg taatctggta ctcggccaggc agggctgggg gcaaggccca 2160
cctgctccccc ctcaccatc tggggccaccatc tgcgtggggatc ttaggagagc aggctgaag 2220
ccaaagaaaaa atttatcccc tgcctttgtt tttttttttt tttcttcttat tttttttttc 2280
tttttcttaa agaagtttatt ttctacagttt gttttataact gaagggaaaaa ctcaagcaaa 2340
aaaaaaaaaaaaa aaaa 2354

<210> 20

<211> 2626

<212> DNA

<213> Mus musculus

<400> 20

ccgggaccatc cggacgggacc gaggcagcgatc ctgcggccggc caccgcggcg gcccagatcc 60
ggccagcagc ggcgcggccggc acggccgtgc ttccagccggc ccccgcccaatc cgccccggcc 120
cgggatgcggc agcggcgccggc gcccggaggcc ggcggccggc taggcccagt cgccccgcacg 180
cgccggcccg acgctgcggc caggccggctt gggctcagcc taccgagaaatc agactctgtat 240
catcatccctt ggttacccatc tgcgtggggatc ggcacccggat accatgaaatc acgttagccat 300
tgcgtggggatc ggctggctgc acggccggatc ggcacccggat accatgaaatc acgttagccat 360
cttcctccctt aagaacgtatc gtcacccatc tggctacaatc gacggccctc aggatgtgaa 420
tcagcggatc tcccccactca acggccggatc agtggccacaa tgcgtggggatc tgcgtggggatc 480
gcggccaaatc cccaaacacccatc ttatcatccg ctgcgtggccatc tggaccacatc tcattgtggcc 540

caccttccat	gtggaaacgc	ctgaggagcg	ggaagaatgg	gccaccgcca	ttcagactgt	600
ggccgatgga	ctcaagaggc	aggaagaaga	gacgatggac	ttccgatcatg	gctcacccag	660
tgacaactca	ggggctgaag	agatggaggt	gtccctggcc	aagcccaagc	accgtgtgac	720
catgaacgag	ttttagtacc	tgaaactact	gggcaagggc	acctttggga	aagtgattct	780
ggtgaaagag	aaggccacag	gccgctacta	tgccatgaag	atcctaaga	aggaggtcat	840
cgtcgccaag	gatgagggtt	cccacacgt	tactgagaac	cgtgtcctgc	agaactctag	900
gcatcccttc	cttacggccc	tcaagtactc	attccagacc	cacgaccgccc	tctgctttgt	960
catggagtagt	gccaacgggg	gcgagcttct	cttccacctg	tctcgagagc	gcgtgttctc	1020
cgaggaccgg	gcccgccttct	atggtgcgga	gattgtgtct	gccctggact	acttgcactc	1080
cgagaagaac	gtgggttacc	gggacctgaa	gctggagaaac	ctcatgtgg	acaaggacgg	1140
gcacatcaag	ataacggact	tcgggctgtg	caaggagggg	atcaaggatg	gtgccactat	1200
gaagacattc	tgcggAACgc	cggagtaacct	ggcccctgag	gtgctggagg	acaacgacta	1260
cggccgtgca	gtggacttgt	gggggctggg	cgtggtcatg	tatgagatga	tgtgtggccg	1320
cctgcccttc	tacaaccagg	accacgagaa	gctgttcgag	ctgatcctca	tggaggagat	1380
ccgcttcccg	cgcacactcg	gccctgaggg	caagtccctg	ctctccggc	tgctcaagaa	1440
ggaccctaca	cagaggctcg	gtgggggctc	tgaggatgcc	aaggagatca	tgcagcacccg	1500
gttctttgcc	aacatcggt	ggcaggatgt	gtatgagaag	aagctgagcc	caccttcaa	1560
gccccaggtc	acctctgaga	ctgacacccag	gtatttcgat	gaggagttca	cagctcagat	1620
gatcaccatc	acgcccctg	atcaagatga	cagcatggag	tgtgtggaca	gtgagcggag	1680
gccgcacttc	ccccagttct	cctactcagc	cagtggcaca	gcctgaggcc	tggggcagcg	1740
gctggcagct	ccacgcttct	ctgcattgcc	gagtccagaa	gccccgcattg	gatcatctga	1800
acctgatgtt	ttgtttctcg	gatgcgctgg	ggaggaacct	tgccagcctc	caggaccagg	1860
ggaggatgtt	tctactgtgg	gcagcagcct	acctcccagc	caggtcagga	ggaaaaactat	1920
cctggggttt	ttcttaattt	atttcatcca	gtttgagacc	acacatgtgg	cctcagtgcc	1980
cagaacaatt	agattcatgt	agaaaactat	taaggactga	cgcgaccatg	tgcaatgtgg	2040
gctcatgggt	ctgggtgggt	cccgtaactg	cccccatgg	cctgtccacc	ctggccgcca	2100
cctgtctcta	gggtccaggg	ccaaagtcca	gcaagaaggc	accagaagca	cctccctgtg	2160
gtatgtaac	tggccctctc	cctctgggcg	gggagaggc	acagctgctt	cagccctagg	2220
gctggatggg	atggccaggg	ctcaagttag	gttgacagag	gaacaagaat	ccagttgtt	2280
gctgtgtccc	atgctgttca	gagacattt	ggggattttt	atcttggta	caggagagcc	2340
cctgccctcc	cgctcctgct	tggtggtct	tagcgggtac	cctgggagcg	cctgcctcac	2400
gtgagccctc	tccttagact	tgtcctttt	gatgtttcc	ctctcccgct	gtccgtcacc	2460
ctggcctgtc	ccctcccgcc	agacgctggc	cattgctgca	ccatgtcggt	ttttacaaca	2520
ttcagcttca	gcatttttac	tattataata	agaaactgtc	cctccaaatt	caataaaaat	2580
tgctttcaa	gcttgaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa	aaaaaaa	2626

<210> 21

<211> 1741

<212> DNA

<213> Mus musculus

<400> 21

cgcgtcgccgc	cgcgcgcgc	actgcccggc	ttgctgccgc	cagttcataa	ataaggagcg	60
ggaacgagct	cagcgtggcg	atggcgcccc	gtagagcccc	gccggagagg	ctgggcggcc	120
gcccgtgaca	gacgatactg	tatccgagga	gcctcctgca	tgtcctgctg	ccctgagctc	180
actcaagcta	ggtgacagcg	tgtgaatgt	gcccacatga	atgaggatata	tgtcatcaa	240
gaaggctggc	tccacaaacg	tggtaatac	atcaagacct	ggaggccacg	gtacttcctt	300
ctgaagagtg	atggatctt	cattgggtat	aaggagaggc	ccgaggcccc	tgaccagacc	360
ttacccccc	tgaacaattt	ctctgttagca	gaatgccagc	tcatgaaagac	tgagaggcca	420
cgcaccaaca	cctttgtcat	acgctgcctg	cagtggacca	cagtcatcg	gaggaccttc	480
catgtagact	ctccagatga	gagggaaagag	tggatgcggg	ctatccagat	gttcgccaac	540
agtctgaagc	agcggggccc	aggtgaggac	gccatggatt	acaagtgtgg	ctcccccaat	600
gactcttcca	catctgagat	gatggaggt	gctgtcaaca	aggcacgggc	caaagtgacc	660
ataaatgact	tcgattatct	caaactctc	ggcaaggggca	cattcggcaa	gttcattctg	720
gttcgagaga	aggccactgg	ccgttattat	gccatgaaga	tcctgcgcaa	ggaggtcatc	780
attgcaaagg	atgaagtgc	ccacacatgc	acagagagcc	gggttctgca	gaataaccagg	840
caccccttcc	ttacagccct	caagtatgcc	ttccagaccc	atgaccgcct	atgctttgt	900
atggagatgtt	ccaacggggg	tgagctttt	ttccacctct	ctcgggagcg	agtcttcacg	960
gaggatcggtt	cgcgtttta	tggagcagag	attgtgtcag	ctctggagta	tttgactcg	1020
agagatgtgg	tgtaccgtga	catcaagctg	gaaaaccta	tgttgaccaa	agatggccac	1080
atcaagatca	ctgacttttg	tttgtgcaaa	gagggcatca	gtgtatggagc	caccatgaaa	1140

accttctgtg gtaccccgga gtacttggcg cctgaggtgc tagaggacaa tgactatggg 1200
 cgagcagtgg actgggtggg gctgggtgtg gtcatgtatg agatgtatg tggccgcctg 1260
 ccattctaca accaggacca cgagcgctc tttgagctca ttcttatggg ggagatccgc 1320
 ttcggcgca cactcggcc agaggccaag tccctgctgg ctggactgct gaagaaggac 1380
 ccaaagcaga ggctcgccg aggtcccagt gatgcgaagg aggtcatggg gcatagattc 1440
 ttcctcagca tcaactggca ggacgtgtta cagaaaaagc tcctgccacc cttcaaacct 1500
 caggtcactt cagaagtggc cacaaggatc tttgatgacg agttcaccgc ccagtcac 1560
 acaatcacac ccccgagaccg atatgacacgc ctggacccgc tggaaactggg ccagcggacg 1620
 cacttccccc agttctcta ctcagccacg atccgagagt gacgagccct ctgcccaccac 1680
 aggacacacaag catggccgtc atccactgac tgggtggctt tttaaaaaaaaaaaaaaa 1740
 g 1741

<210> 22

<211> 2610

<212> DNA

<213> Homo sapiens

<400> 22

atcctgggac agggcacagg gccatctgtc accagggct tagggaaggc cgagccagcc 60
 tgggtcaaaag aagtcaaaagg ggctgcctgg aggaggcagc ctgtcagctg gtgcatacaga 120
 ggctgtggcc aggccagctg ggctcgggg gcccgcgcct gagaggagcg cgtgagcgtc 180
 gccccggccct cgggcacccat gagcgcacgtg gctattgtga aggagggtt gctgcacaaa 240
 cgaggggagt acatcaagac ctggcgccca cgctacttcc tcctcaagaa tgcggcacc 300
 ttcattggct acaaggagcg gcccgcaggat gtgaccaac gtgaggctcc cctcaacaac 360
 ttctctgtgg cgcaatgtcc gctgtatggg acggagccgc cccggccca cacccatc 420
 atccgcgtcc tgcgtggac cactgtcatc gaacgcaccc tccatgtgg gactcctgag 480
 gagcgggagg agtggacaac cgccatccag actgtggctg acggccctcaa gaagcaggag 540
 gaggaggaga tggacttccg gtcgggcctca cccagtgaca actcaggggc tgaagagatg 600
 gaggtgtccc tggccaagcc caagcaccgc gtgaccatga acgagtttga gtacctgaag 660
 ctgctggca agggacttt cggcaaggatc atctgtgtt gggaggatc gacggccgc 720
 tactacgcca tgaagatcct caagaaggaa gtcatgtgg ccaaggacga ggtggccac 780
 acactcaccg agaaccgcgt cctgcagaa tccaggccacc ctttcctcac agccctgaag 840
 tactcttc agaccacga ccgcctctgc tttgtcatgg agtacgccaa cggggccgag 900
 ctgttcttc acctgtccc ggaacgtgtt ttctccgagg accggcccg cttctatggc 960
 gctgagattt tgcgtccct ggactacccg cactcggaga agaacgtgtt gtaccggac 1020
 ctcagactgg agaacctcat gctggacaag gacgggcaca ttaagatcac agacttcggg 1080
 ctgtcaagg agggatcaa ggacgtgtcc accatgaaga cttttgcgg cacacctgag 1140
 tacctggccc cggagggtgtt ggaggacaat gactacggcc gtgcagtgg gttgggggg 1200
 ctggcggtgg tcatgtacga gatgtatgtc ggtcgccctgc cttctacaa ccaggaccat 1260
 gagaagctt ttgagctcat cctcatggg gagatccgtt tcccgcgcac gttgggtccc 1320
 gaggccaagt cttgtttc agggctgtc aagaaggacc ccaagcagag gttggccggg 1380
 ggctccgagg acgccaagga gatcatgcg catcgcttct ttgcggat cgtgtggcag 1440
 cacgtgtacg agaagaagct cagccccc ttcaagcccc agtcaacgtc ggagactgac 1500
 accaggatt ttgatgagga gttcacggcc cagatgtatca ccatcacacc acctgaccaa 1560
 gatgacagca tggagttgtt ggacagcgag cgcaggcccc acttccccca gttctcctac 1620
 tcggccagca gcacggctg aggccgggtt ggactgtgtt ggcacatgc ttggagggat 1680
 ggagaggcgg cttcggtcca tgcgtgtat ttaatgggtt ttatttcgt ggtcattttg 1740
 agagaagcca cgctgtcc tcgagcccaat atgaaagac gttttgtgc tttggccagc 1800
 accctccccc gcagcggggt agggaaagaaa actatcctgc ggttttaat ttatttcata 1860
 cagtttgttc tccgggtgtg gcctcagcccc tcagaacaaat cgcatttcacg tagggaaatg 1920
 ttaaggactt ctacagctat ggcacatgtc gcatgggggg gcccggcagg tcctgcctcat 1980
 gtgtcccttc actctgtcag ccagccccc tggctgtct gtcaccatc atctgtcatc 2040
 tctctggggc cttcgccctc agttcaaccc tggccacca gatgcacact cactatggta 2100
 tgctggccag caccctctcc tgggggtggc aggacacacag cagccccca gcactaaggc 2160
 cgtgtctctg aggacgtcat cggaggctgg gcccctggg tgggaccagg gatgggggat 2220
 gggccagggtt taccctgttgg gggttttaa tctttgtgtc agggaaagccc tccccctcc 2280
 gttgttcaaa tgcattttgg ggggttttaa tctttgtgtc agggaaagccc tccccctcc 2340
 cttctgtgtt cacagttttt ggtgactgtc ccacccggagc ctccctca gatgtatctc 2400
 ccacggtagc acttgacctt ttcgacgtt aaccttcccg ctgtccccc agggccctccc 2460
 tgactccctg tgggggtggc catccctggg cccctccacg ctccctggcc agacgctgcc 2520
 gctggcgctg caccacggcg ttttttaca acattcaact ttagtatttt tactattata 2580

atataatatg gaaccttccc tccaaattct

2610

<210> 23

<211> 1715

<212> DNA

<213> Homo sapiens

<400> 23

gaattccagc ggccggcgccg ttgccgtgc cggaaacac aaggaaaggg aaccagcgca 60
 gcgtggcgat ggggggggt agagccccc cggagaggct gggcgctgc cggtgacaga 120
 ctgtgccctg tccacgggtc ctcctgcatg tcctgctgcc ctgagctgtc cccagctagg 180
 tgacagcgta ccacgctgcc accatgaatg aggtgtctgt catcaaagaa ggctggctcc 240
 acaagcgtgg tgaatacatc aagaccttga ggcacacgtt cttcctgtc aagagcgacg 300
 gtccttcat tgggtacaag gagaggcccg agggccctga tcagactcta cccccccttaa 360
 acaacttctc cgtacgacaa tgccagctga tgaagaccga gaggcccgca cccaaacacct 420
 ttgtcatacg ctgcctgcag tggaccacag tcatcgagag gaccttccac gtggattctc 480
 cagacgagag ggaggagtgg atgcgggcca tccagatggt cgccaaacagc ctcagcagc 540
 gggcccccagg cgaggacccc atggactaca agtgtggctc ccccagtgc tcctccacga 600
 ctgaggagat ggaagtggcg gtcagcaagg cacgggctaa agtgaccatg aatgacttcg 660
 actatctcaa actccttggc aagggaacct ttggcaaaagt catcctggt cgggagaagg 720
 ccactggccg ctactacgccc atgaagatcc tgcaaaagga agtcatcatt gccaaggatg 780
 aagtgcgtca cacagtaccg gagagccccg tcctccagaa caccaggcac ccgttccatca 840
 ctgcgtctgaa gtatgccttc cagacccacg accgcctgtc ctttgtatg gagtatgcca 900
 acgggggtga gctgtcttc cacctgtccc gggagcgtgt cttcacagag gagcgggccc 960
 gttttatgg tgcagagatt gtctcggtc ttgagttactt gcactcgccg gacgtggat 1020
 accgcgacat caagctggaa aacctcatgc tggacaaaga tggccacatc aagatcaactg 1080
 actttggct ctgcaaagag ggcacatcgtg acggggccac catgaaaacc ttctgtggga 1140
 ccccggagta cctggcgcct gaggtgctgg aggacaatga ctatggccg gccgtggact 1200
 ggtgggggct gggtgtggc atgtacgaga tggatgtgcgg ccgcctgccc ttctacaacc 1260
 agaccacga gcgccttcc gagctcatcc tcatggaaaga gatccgttcc ccgcgcacgc 1320
 tcagccccga gccaagtcc ctgcttgcgt ggctgcttaa gaaggacccc aagcagaggc 1380
 ttggtggggg gcccacgcgt gccaaggagg tcatggagca caggttcttc ctcagcatca 1440
 actggcagga cgtggtccag aagaagctcc tgccaccctt caaacccatg gtcacgtccg 1500
 agtgcacac aaggtaacttc gatgtatgaa ttaccggcca gtcacatcaca atcacacccc 1560
 ctgaccgcta tgacagctg ggcttactgg agctggacca gcccggacccat ttcccccaact 1620
 ttcctactc ggccacgcac cgcgagtgag cagtcgtccc acgcagagga cgcacgctcg 1680
 ctgccatcac cgctgggtgg tttttaccc ctgcc 1715

<210> 24

<211> 1803

<212> DNA

<213> Mus musculus

<400> 24

ctttcggaaag acttattttt ggggctccgc gcccgggcgc ccggaccccg cacagccgt 60
 gctggagact gaattcgggg cttcacagga gtgaataaagc actgtgccag tgagctttgt 120
 tgcctggatc ggaacactgt tcttcacccgg caggagagtg gaagggggttc catgatggag 180
 ttgaacattt acctcaagag gtttcatatt ttggatttgtt gaattatatt taccctctgc 240
 tgagaactttt gaaacttcag actcaatttc tgccttcaa gacattaaat gcagaggat 300
 ttatcatgg actacaagga gagctgccc agttaagca ttcccaatc tgacgaacac 360
 agagagaaaa agaagagggtt cacggtttat aaagttctgg tctctgtgg cagaagcgg 420
 tggttgtct tcaggagata cgcaggttt gacaaactttt acaattttt aaagaagcgg 480
 ttccctgcta tggctctgaa gatccctgccc aagagaatattt ttggtgatcaa ttttgatca 540
 gattttatta aacaagaag agcaggattt aatgagttca ttcaaaactt ggtcagat 600
 ccagagctttt acaaccatcc agatgtccga gcattcccttc aaatggacag cccaaagacat 660
 cagtcagatc catctgaaga tgaggatgaa agaagttactt cgaaggccaca ttctacactca 720
 cggacatca acctgggacc aactggaaat cctcatgcta aaccaactga cttcgatttt 780
 taaaaatgtt ttggaaaggg cagctttggc aaggttcttc ttgcacaaacg gaaactggat 840
 gaaaaatttt atgctgtcaa agtgttacag aaaaaatag ttctcaacag aaaagagcaa 900
 aacatatta tggctgaacg caatgtgtc ttggaaaaatg tgaagcaccat tttttgggtt 960
 ggattgcactt attcttccaa aacaactgaa aagtttattt ttgttctgga tttttgttaat 1020

ggagggggagc tcttctttca cctccaaagg gaaaggctt ttcctgaacc cagagcgagg 1080
tttatgccc cggagatcgc cagtgccttgc ggctacctgc actccatcaa aatagtgtac 1140
agagacttga agccagaaaa tattcttttgc gattcaatgg gacatgttgc cttaaacggat 1200
tttggacttt gcaaagaagg aatcgctatt tctgataccca ccacaacttt ttgtggtaca 1260
ccagagtacc ttgcaccttgc agtaatcaga aaacagccct atgacaacac tttggactgg 1320
tggtgccttgc gcgctgttct gtatgagatg ctgtacgggc tgcctcctt ttactgccga 1380
gatgttgcgttgc aaatgtatga caatatttttgc cacaagccct taaacttgag accaggagtg 1440
agtctcaccgc cctggccat tctggaaagaa cttctagaaaaaaa aacacagaca aaatcgactt 1500
ggtgccaaag aagactttct taaaatccag aatcatcctt tttttgagtc actcagctgg 1560
actgacactcg tacaaaaaaa gattccacccctt ccatttaacc ctaatgtggc tggaccagat 1620
gatatacgaa actttgtatgc cgtcttcaactt gaagaaacgg ttcccttattc agtgtgtgt 1680
tcttctgact attccatcgtaatgtccactt gttctggagg cagatgtatgc atttgggtt 1740
ttttcttacg cccctcccttgc ggaagactta ttttggatcaacttgcata ttcagaaacc 1800
aat 1803

<210> 25

<211> 5227

<212> DNA

<213> Mus musculus

<400> 25

ccacgcgtcc gcggagagat cgtaccgggg ttgcggactc cggaggtggc cacgcccgtcc 60
agtccagccc cccggccgatc acccgaagaa ccaagccggc cctggggcagt gacggggttc 120
gagtgaccat ggagagcgcc ttgactgccc gagaccgggttggcggcggcgg 180
tgctggagaa tttcaccatgttgc gaggctgcct tcatttgcgaa cctccggcggcgg 240
agaacctcat ttataccatc atcggtccttgc tccttagtctc tgcataatccc taccgagacc 300
tacagatcta cagccggcag catatggAAC gctaccgtgg tgcaggatcc tatgaagtac 360
cacctcattt gtttgcgttgc gctgacactg tataccgggc acttcgttact gacgcgtcggg 420
accaggcagt gatgatttcttgc gggagagatg gggcaggcggcgg 480
tgctccaggat tgcaggatgc acctgtcccg cccctgttgcgaa ggggtggcggcgttgcgagacc 540
gctgttgcgaa gagcaaccccccccttgcgttgcgaa gggcaggatgc 600
ataactccatggc cccgttttgcgaa aagtatccatgg atgtgcgttgc 660
tggtggccatggc catttccttgcgaa taccttgcgttgcgaa aaaaatcccg 720
gagagcggaa cttccacatgc ttaccatggc tactggggatggc 780
gtcggctgggg ctttgcgttgcgaa aaccccccaga gctacttgcgaa ctttgcgttgcgaa gggcaggatgc 840
ccaaaggcttc ctccatcaac gacaagatgttgcgaa acttgcgttgcgaa 900
tcatttgcgttgcgaa cacttgcgttgcgaa gtttgcgttgcgaa 960
atctggggcataatccatggc catccacttgcgttgcgaa aggacatgc 1020
accagctcaa atatctgacc aggcttgcgttgcgaa 1080
tgacccacatggc gaaatcatgc gccaagggggg aagatgttgcgaa 1140
aggcggcataatccatggc tgcaaggatgttgcgaa 1200
tggtcagaaa gatcaataggc tcaacttgcgttgcgaa 1260
gcaccacatggc tcttggcttgcgaa ctggacatttgcgttgcgaa 1320
tcgagcgttgcgaa ctgcgttgcgaa tacttgcgttgcgaa 1380
ctctcaatgcgaa ggacaggatgttgcgaa 1440
acttcaacatggc caagatcatgc ttttgcgttgcgaa 1500
tcttggatggc agagtgcgttgcgaa 1560
tgaggacatggc ttttgcgttgcgaa 1620
ccagggaaatccatggc tcttagaccatggc 1680
acagtgtgttgcgaa tgggttttgcgaa 1740
ccatgtgttgcgaa ctcaatgcgttgcgaa 1800
acaagaagatggc gccagagatgttgcgaa 1860
agatcttgcgttgcgaa gtcttgcgttgcgaa 1920
agccgggttgcgaa ctttgcgttgcgaa 1980
agaatcttgcgttgcgaa ctttgcgttgcgaa 2040
agaggatggcgttgcgaa gtttgcgttgcgaa 2100
gtgtggccgttgcgaa ttttgcgttgcgaa 2160
ctaatatgcgttgcgaa catccatggc 2220
ggcggcagatggc tcttagccatggc 2280
aatttctccatggc ggtgttgcgttgcgaa 2340
gccgggaggatggc ggcagccatggc 2400

gcgtcatttt	gcgcattca	ccccgggtgcc	ctgagaatgc	cttcttcttg	gaccacgtgc	2460
gcccctcatt	tttgcttaac	ctgaggcgcc	aactgccccg	gaatgttctg	gacacacccct	2520
ggcccacacc	cccacctgcc	ctgagagagg	cctcagaact	gctacgggaa	ctgtgcatga	2580
agaacatggt	gtggaagtac	tgccggagca	tcagccctga	gtggaagcag	cagctgcagc	2640
aaaaggcggt	ggctagtgaa	atttcaagg	gcaagaagga	caactacccc	cagagtgtcc	2700
ccagactctt	cattagcaca	cggcttgca	cagaggagat	cagccccaga	gtgcttcaat	2760
ccttgggctc	tgaacccatc	cagtatggcg	tgccctgtgtt	aaaatacgac	cgtaaagggtt	2820
acaaggctcg	ccccccggcag	ctgctgctca	cgcggcgtgc	tgtggtcatt	gtggaggatg	2880
ctaaagtcaa	gcagagaatt	gattatgcc	acctaaccgg	aatctotgtc	agtagcctga	2940
gtgatagcct	atttgcgtt	cacgtgcagc	gtgaagacaa	caagcagaag	ggagatgtgg	3000
tgcgtcagag	tgcgtcgtt	atcgagacac	taaccaagac	gcccctcagt	gctgaccgcg	3060
tgaacaatat	caacatcaac	cagggcagca	taacgtttgc	agggggtcca	ggcaggggacg	3120
gcatcattga	cttcacatcg	ggctcagac	ttctcatcac	caaggctaag	aatggccacc	3180
tggctgtgtt	ggccccacgg	ctgaatttctc	gggtatgtaa	gcttcagtgg	acccttcctg	3240
acttcctgtat	cttcgtttag	tcccctcctc	ccctccctgt	taccaaagac	tcaagcttcc	3300
agacagggt	ccatggacac	cctcaaaacc	cacctgcaaa	ctcctgcctc	ctgctcgccc	3360
cctctcgagg	tgcgtcaggag	ccagggagct	accccatgag	tggccaggc	cggggccacag	3420
caatagaaaa	gcagaggcct	gagcaggcca	ggccagccct	ctgctgatgc	caaatactcta	3480
agagaaggga	attttaactg	aggttttctc	tgatgttttt	tgcgttta	tagaaacta	3540
tttttttaag	aaagccattt	tcctacccta	aacacactgg	atgtgtttt	ccctgcctcg	3600
aacaggggca	ggaatgtaac	tgaaagactg	actgggctgg	gctggaggt	ccttttctct	3660
ggccaagcct	ctcctcattc	cctgtctgtc	tgtccatcca	cctgcacccct	ttgcagccca	3720
ctatgaccc	caccaaaagg	ctgaggccac	ctctgcctac	cccatattcc	tgccttaaga	3780
atgtccttt	aggggctggg	gtatagccca	gtgttagaac	tgggtctaag	catgtgtgag	3840
accctgggct	caatccccag	cattaaaaaa	taaaaaatag	gttttaata	ttttcacccc	3900
agtctgaggg	catccctaaa	gtggggggaaa	agtcttaaga	gtttggaaat	tttcagagac	3960
agtgtctgg	ccaggctcct	ggaatctaca	gagctggaga	cagaggcaca	cagagggagg	4020
gaagacttgc	ctagtagaag	actgaagcaa	atcttaaagt	gaagccgc	ctcagcacat	4080
ctcaactgcct	ttcccaggg	cagggaggcc	cataaggcaa	gggtcggtc	tcatgtatgc	4140
acctggctct	ctgaccagca	atcaccctt	ggagctaccg	gttgggaggg	actttctgc	4200
ctgggtctat	gccttaggat	gacaacctcc	atacacatac	atactttcg	cccaatttaa	4260
gaatggtagg	gtctttatt	ggccttggt	gcctctgtga	cctgggagcc	tagggacagg	4320
gctggccttg	gaggaactgc	aggggcatca	ccttttctg	ctgcttct	ccaccccaaga	4380
ggtccttggg	tttgccttgg	tccctctgt	ccctctgggg	ctctcaagcc	actgctgaca	4440
cttctgcaat	ccagagaaac	actaaataaa	gcaatatgt	tttgccaaaca	cagtcttct	4500
gtgagtggtt	aaaaggggcc	ctagaaggta	gacattctt	agggcttgg	cactacagaa	4560
gaaaggagac	agacactactt	aggagcaata	gagagaaacc	aagtttagtg	tggattttgt	4620
agccttagtg	ctcaggaagc	agggacagga	ggattggatt	tcttagttct	aggccagcct	4680
ggtctacaaa	tcaagttcca	gggctatata	gacaggcagc	gggcttttga	tttggcaaaa	4740
taaataacctg	gtctggcagc	accgctggac	taaggagacc	tagcatggc	aatataagcc	4800
caggggcctg	tgctgtatgc	agactcaggt	ggggagggtc	agcacttcat	aaggaagctg	4860
gtgtttgagg	tatctcagg	gtttgtttcc	agttctgggg	ataaaagaatc	cagtccaaag	4920
tgctggagc	gttaaaggcc	acttgtcaac	aatggccatt	ttattgtct	ggggagatct	4980
acttcttaggt	gataaaaaga	cattgttagg	aaaatgtctt	gggggtttaga	gagatggc	5040
agtggtaaag	agaactgtact	gctttctgt	aggcctgtag	ttcaattccc	agcaactaca	5100
cgtggctca	caaccatctg	taatgggtc	tgtgtctt	tgtgtgtct	aaggggagcaa	5160
tgtgtatgt	ctcatatgt	taaaataaaat	gaataaataa	acaaatctt	aaaaaaaaaa	5220
aaaaaaa						5227

<210> 26
 <211> 3384
 <212> DNA
 <213> Homo sapiens

<400> 26
 tccaagctga attcgccggcc gcgtcgacca cgccggccct gggcagtgtac ggggttcggg 60
 tgaccatgga cagtgcgtc accgcccgtg acagggtggg ggtgcaggat ttctgtgtc 120

tggagaacct caccagcgag gccgccttca tcgagaacct acggcggcga tttcgggaga 180
 atctcatcta cacctacatt gccccgtcc tggctctgt caatccctac cgggacctgc 240
 agatctacag ccggcaacat atggagcggt accgtggcgt cagcttctat gaagtgcggc 300
 ctcacctgtt tgccgtggcg gacactgtgt accgagcact ggcacggag cgtcgggacc 360
 aggctgtgtat gatctctggg gagagcgggg caggcaagac cgaagccacc aagaagctgc 420
 tgcagttcta tgcagagacc tgcccagccc cccaacgcgg aggtgcgtg cgggaccggc 480
 tgctacagag caaccgggtg ctggaggcct ttgaaatgc caagaccctc cggAACGATA 540
 actccagcgag gttcgggaag tacatggat tgcagttga cttcaagggt gccccgtgg 600
 gtggccacat ctcagttac ctccctggaaa agtcacgagt ggtgcaccag aatcatgggg 660
 agcggaaacctt ccacatctt taccagctgc tggagggggg cgaggaagaa actttcgca 720
 ggctgggctt ggaacggAAC ccccagagct acctgtaccc tggtaaggc cagtgtgc 780
 aagtctccctc catcaacgac aagagtact ggaaggctgt caggaaggct ctgacagtca 840
 ttgatTTcac cgaggatgaa gtggaggacc tgctaagcat cgtggccagc gtccttcatt 900
 tggcaacat ccacttgcgt gccaacgagg acagcaatgc ccaggtcacc accgagaacc 960
 agctcaagta tctgaccagg ctccctcagcg tggtaaggc acgtgc 1020
 cacacaggaa gatcatcgcc aagggggaaag agtcctgag cccgctgaac ctggAACAGG 1080
 ccgcgtacgc acgaaacgccc ctgcacaagg ctgtgtacag ccgcacttt acctggctcg 1140
 tcgggaaaat caacaggtcg ctggccttca aggacgtgga gagccccagc tggcggagca 1200
 ccacgggtctt cgggcctctg gatattatg gttcgaagt gttcagcat aacagctttg 1260
 agcagttctg catcaattac tgcaacgaaa agtcgcagca gctcttcatac gaactcccgc 1320
 tcaagtcgga gcaggagggaa tacgaggcag agggcatcgc gtggAACCC gtccagtatt 1380
 tcaacaacaa aatcatctgt gatctgggtt aggagaagtt taaggcatac atctcgatt 1440
 tgatgagga gtgtctgcgc cggggggagg ccacagaccc tggtaaggc 1500
 agatactgt caagcaccat ccacacttcc tgacgcacaa gctggctgac cagaggacca 1560
 gggaaatctctt gggccgaggg gattccgccc ttctgcacta tgcgggggggt gtgacctaca 1620
 gctgtgaccgg gtttctggac aaaaacaatg accttcttcc ccggAACCTT aaggagacca 1680
 tttgttagctc aaagaatccc attatgagcc agtgcctcgat cggagc 1740
 agaaagcggcc agagacggtc gcccacccagt tcaagatgag ctcctgcagc ctgggtggaga 1800
 tcctgcagtc taaggagccc gcctacgtcc gctgcataa acccaatgt gccaaacagc 1860
 ccggccgctt tgacgagggtg ctgatccgccc accaggtgaa gtacctggg ctgttggaaa 1920
 acctgcgtgt gcgcaagact ggcttcgcct atcgcgc accgcggcc 1980
 ggtacaagtc actgtgcctt gagacgtggc ccacgtggc aggacggcc 2040
 tgctgtgtctt ggtccgacac ctggcttaca agccagaaga tacaagatg ggcaggacca 2100
 agatcttcata cgcctcccc aagaccctgt ttgccacaga ggtgccttggc gaggtccggc 2160
 ggcagagccctt ggccacaaaat atccaaactg cttggaggggg ctttcaactgg cggcagaaat 2220
 tcctccgggtt gaagagatca gccatctgca tccagtcgtg gtggcgtggaa acactggggc 2280
 ggaggaaggc agccaaagagg aagtgggggg cacagaccat ccggcggctc atccgaggct 2340
 tcatactgcgtt ccacgcccccc cgctggggcc agaacgcctt tttcttggac catgtgcgc 2400
 cgtctttttt gctaaacctg aggccggcagc tgccccggaa tgccttggac acctactggc 2460
 ccacgcccccc acctgcctt cgagaggctt cagacttct gctggagtt tgcataaaga 2520
 acatgggtgtt gaaataactgc cggagatata gcccgttgc gaaacgcagc ctgcagcaga 2580
 aggcgtggc tagttagatc ttcaaggcga agaaggataa ttaccctcag agtgtacc 2640
 ggcttttcata cgcactcggtt cttggtacag atgagatcag ccccccggatg ctgcaggcc 2700
 tggctctgtt gcccattcag tatgcgggtc ctgttgcgtt atacgaccgc aagggtctaca 2760
 agcctcgctt ccggcagctg ctgctcacgc ccaacgcgtt cgtcatctgtt gaggacgc 2820
 aagtcaagca gaggattgtat tacgccaacc tgaccggaaat ctctgtcagc agcctgaggc 2880
 acagtctttt tgcgtttcat gtacagcggtt cggacataaa gcaaaaggaa gatgtgggtc 2940
 tgcagagtgtt ccacgtgtt gagacgtgtt ccaagacagc ctcagtgcc aaccgcgtt 3000
 acagcatcaa catcaaccag ggcagatata cgtttgcagg gggccccggc agggatggca 3060
 ccatttgcattt cacacccggc tcggagctgc tcataccaa ggcacaaac gggcacctgg 3120
 ctgtggcgtt cccacggctt aattatcggtt gataaaggcg cccactggac catcccaacg 3180
 cccaaagctt tgcttttctt ctccctccct tcccagttac caaagagtcg aatttccaga 3240
 caggggaccca gggacacccccca gaagccacc tgcataattcc caccctctgc ccataccctt 3300
 ctgtggggag cagcaggggc caggagctac cccaggagtg ggccaggccg ggccacagca 3360
 ataggaaagc caggggccaga gcga 3384

<210> 27
 <211> 19
 <212> DNA
 <213> Mus musculus

<400> 27	
acgacgttagc cattgtgaa	19
<210> 28	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 28	
cgacgttagcc attgtgaag	19
<210> 29	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 29	
cttccttcctc aagaacgat	19
<210> 30	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 30	
ggcaggaaga agagacgat	19
<210> 31	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 31	
gacgatggac ttccgatca	19
<210> 32	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 32	
agcacccgtgt gaccatgaa	19
<210> 33	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 33	
ctacttgacac tccgagaag	19
<210> 34	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 34	
ggatggtgcc actatgaag	19
<210> 35	
<211> 19	

<212> DNA	
<213> Mus musculus	
<400> 35	
tgtgccact atgaagaca	19
<210> 36	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 36	
ggatgccaag gagatcatg	19
<210> 37	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 37	
ccggttcttt gccaacatc	19
<210> 38	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 38	
ctgacaccag gtatttcga	19
<210> 39	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 39	
caccaggtat ttcgatgag	19
<210> 40	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 40	
ggtatttcga tgaggagtt	19
<210> 41	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 41	
tttcgatgag gagttcaca	19
<210> 42	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 42	
aacgtggta atacatcaa	19

<210> 43	
<211> 19	
<212> DNA	
<213> <i>Mus musculus</i>	
<400> 43	
acgtggtgaa tacatcaag	19
<210> 44	
<211> 19	
<212> DNA	
<213> <i>Mus musculus</i>	
<400> 44	
cgtggtgaat acatcaaga	19
<210> 45	
<211> 19	
<212> DNA	
<213> <i>Mus musculus</i>	
<400> 45	
ccatgaatga cttcgatta	19
<210> 46	
<211> 19	
<212> DNA	
<213> <i>Mus musculus</i>	
<400> 46	
ggaggtcatc attgcaaag	19
<210> 47	
<211> 19	
<212> DNA	
<213> <i>Mus musculus</i>	
<400> 47	
gtatttgcac tcgagagat	19
<210> 48	
<211> 19	
<212> DNA	
<213> <i>Mus musculus</i>	
<400> 48	
ctcgagagat gtgggtac	19
<210> 49	
<211> 19	
<212> DNA	
<213> <i>Mus musculus</i>	
<400> 49	
ccgtgacatc aagctggaa	19
<210> 50	
<211> 19	
<212> DNA	
<213> <i>Mus musculus</i>	

<400> 50	
accttatgtt ggacaaaga	19
<210> 51	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 51	
ggtcatggag catagattc	19
<210> 52	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 52	
cacaaggtac tttgatgac	19
<210> 53	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 53	
tgagcgacgt ggctattgt	19
<210> 54	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 54	
ctgtcatcga acgcacacct	19
<210> 55	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 55	
tcgaacgcac cttccatgt	19
<210> 56	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 56	
tgaacgagtt tgagtacct	19
<210> 57	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 57	
acgagtttga gtacctgaa	19
<210> 58	

<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 58	
tggcgctgaa attgtgtca	19
<210> 59	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 59	
ccagatgcaa cctcactat	19
<210> 60	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 60	
gatgcaacct cactatgg	19
<210> 61	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 61	
tgatctctcc acggtagca	19
<210> 62	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 62	
caagcgtggtaa gaatacacatc	19
<210> 63	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 63	
agcgtggtaa atacatcaa	19
<210> 64	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 64	
gcgtggtaa tacatcaa	19
<210> 65	
<211> 19	
<212> DNA	
<213> Homo sapiens	

<400> 65	
cagtcatcga gaggacctt	19
<210> 66	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 66	
cttcgatgat gaatttacc	19
<210> 67	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 67	
tggagcacag gttttcct	19
<210> 68	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 68	
ctcaatttct gtccttcaa	19
<210> 69	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 69	
aagaagaggt tcacggttt	19
<210> 70	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 70	
agaagaggtt cacggttt	19
<210> 71	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 71	
gaagaggttc acggtttat	19
<210> 72	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 72	
agaggttcac ggttataa	19
<210> 73	
<211> 19	

<212> DNA	
<213> Mus musculus	
<400> 73	
gagggtcacg gtttataaaa	19
<210> 74	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 74	
ggttcacggt ttataaaagt	19
<210> 75	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 75	
gaagcgagtg gtttgtctt	19
<210> 76	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 76	
gaacttggtc agatatcca	19
<210> 77	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 77	
gatatccaga gctttacaa	19
<210> 78	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 78	
tccagatgtc cgagcattc	19
<210> 79	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 79	
gtacttcgaa gccacattc	19
<210> 80	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 80	
aatcctcatg ctaaaccaa	19

<210> 81	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 81	
aacccaactga cttcgattt	19
<210> 82	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 82	
aacggaaact ggatggaaa	19
<210> 83	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 83	
tattatggct gaacgcaat	19
<210> 84	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 84	
aagaaggaat cgctatttc	19
<210> 85	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 85	
tgacaatatt cttcacaag	19
<210> 86	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 86	
tcgtgaatgc cagtgttct	19
<210> 87	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 87	
ccgtgggtgtc agtttctat	19
<210> 88	
<211> 19	
<212> DNA	

<213> Mus musculus	
<400> 88	
tgaagtacca cctcatttg	19
<210> 89	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 89	
agtaccacccat tttgttt	19
<210> 90	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 90	
gtaccacccat tttgtttg	19
<210> 91	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 91	
agactctccg caacgataaa	19
<210> 92	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 92	
gactctccgc aacgataaac	19
<210> 93	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 93	
ctctccgcaa cgataactc	19
<210> 94	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 94	
aatcacggag agcggaaact	19
<210> 95	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 95	
atcacggaga gcggaactt	19

<210> 96	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 96	
gctacttgta cctggtgaa	19
<210> 97	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 97	
acgacaagag tgactggaa	19
<210> 98	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 98	
agagtgactg gaaggttat	19
<210> 99	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 99	
gagtgactgg aaggttatg	19
<210> 100	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 100	
gtgactggaa ggttatgag	19
<210> 101	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 101	
gttccgcctt ctgcattat	19
<210> 102	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 102	
caggaggatt ggatttctt	19
<210> 103	
<211> 19	
<212> DNA	
<213> Mus musculus	

<400> 103	
cttaggagca atagagaga	19
<210> 104	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 104	
ctgctgacac ttctgcaat	19
<210> 105	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 105	
ggtgacctac agtgtgact	19
<210> 106	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 106	
tccgacatca ggtgaagta	19
<210> 107	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 107	
ctaagatctt catccgatt	19
<210> 108	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 108	
aggcggtgtgc tagtggaaat	19
<210> 109	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 109	
ggcggtggct agtggaaatt	19
<210> 110	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 110	
agcagagaat tgattatgc	19
<210> 111	
<211> 19	

<212> DNA	
<213> Mus musculus	
<400> 111	
attgattatg ccaacctaa	19
<210> 112	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 112	
ttgattatgc caacctaac	19
<210> 113	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 113	
tgcacccata accgaaatc	19
<210> 114	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 114	
acctaaccgg aatctctgt	19
<210> 115	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 115	
tcatgtgatc gagacacta	19
<210> 116	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 116	
tgtgatcgag acactaacc	19
<210> 117	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 117	
tcgagacact aaccaagac	19
<210> 118	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 118	

ccgcgtgaac aatatcaac	19
<210> 119	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 119	
cggcatcatt gacttcaca	19
<210> 120	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 120	
gcacatctca ctgccttgc	19
<210> 121	
<211> 19	
<212> DNA	
<213> Mus musculus	
<400> 121	
tgcccttagga tgacaacct	19
<210> 122	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 122	
gatctacagc cggcaacat	19
<210> 123	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 123	
tctacagccg gcaacatat	19
<210> 124	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 124	
acgacaagag tgactggaa	19
<210> 125	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 125	
agtccggagca ggaggaata	19
<210> 126	
<211> 19	

<212> DNA	
<213> Homo sapiens	
<400> 126	
attccgcctt ctgcactat	19
<210> 127	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 127	
ttccgccttc tgcaactatg	19
<210> 128	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 128	
accttaagga gaccatgtg	19
<210> 129	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 129	
ccttaaggag accatgtgt	19
<210> 130	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 130	
ccatgtgtag ctcaaagaa	19
<210> 131	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 131	
gcgagctcaag tgacaagaa	19
<210> 132	
<211> 19	
<212> DNA	
<213> Homo sapiens	
<400> 132	
tcggccgcaaa tacgaagct	19
<210> 133	
<211> 19	
<212> DNA	
<213> Homo sapiens	

<400> 133 atacgaagct ttcctgcaa	19
<210> 134 <211> 19 <212> DNA <213> Homo sapiens	
<400> 134 tacgaagctt tcctgcaaa	19
<210> 135 <211> 19 <212> DNA <213> Homo sapiens	
<400> 135 ctcggcttgg tacagatga	19
<210> 136 <211> 19 <212> DNA <213> Homo sapiens	
<400> 136 ggattgattta cgccaacct	19
<210> 137 <211> 19 <212> DNA <213> Homo sapiens	
<400> 137 gcgtgcggac ataaagcaa	19
<210> 138 <211> 19 <212> DNA <213> Homo sapiens	
<400> 138 ttgagacgct gaccaagac	19
<210> 139 <211> 19 <212> DNA <213> Homo sapiens	
<400> 139 accgcgtgaa cagcatcaa	19
<210> 140 <211> 19 <212> DNA <213> Homo sapiens	
<400> 140 gttaccaaag agtcgaatt	19
<210> 141 <211> 19	

<212> DNA

<213> Homo sapiens

<400> 141

agagtcgaat ttccagaca

19